

SEQUENCE LISTING

<110> Role, Lorna W.
Talmage, David
Bao, Jianxin

<120> A-FORM OF CYTOPLASMIC DOMAIN OF nARIA (CRD-NEUREGULIN
AND USES THEREOF

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<141> 1999-05-14

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Pro Ser Thr Gln Leu Ser Ala Asp Pro Ser Leu Asp Gly Leu Pro Ala
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Ala Glu Asp Met Pro Glu Pro Gln Thr Glu Asp Gly Thr Pro Gly Leu
65 70 75 80
Val Gly Leu Ala Val Pro Cys Cys Ala Cys Leu Glu Ala Glu Arg Leu
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Arg Gly Cys Leu Asn Ser Glu Lys Ile Cys Ile Val Pro Ile Leu Ala
100 105 110
Cys Leu Val Ser Leu Cys Leu Cys Ile Ala Gly Leu Lys Trp Val Phe
115 120 125
Val Asp Lys Ile Phe Glu Tyr Asp Ser Pro Thr His Leu Asp Pro Gly
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Gly Leu Gly Gln Asp Pro Ile Ile Ser Leu Asp Ala Thr Ala Ala Ser
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Ala Val Trp Val Ser Ser Glu Ala Tyr Thr Ser Pro Val Ser Arg Ala

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| Gln | Ser | Glu | Ser | Glu | Val | Gln | Val | Thr | Val | Gln | Gly | Asp | Lys | Ala | Val |
| | | | 180 | | | | | 185 | | | | | 190 | | |
| Val | Ser | Phe | Glu | Pro | Ser | Ala | Ala | Pro | Thr | Pro | Lys | Asn | Arg | Ile | Phe |
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| Ala | Phe | Ser | Phe | Leu | Pro | Ser | Thr | Ala | Pro | Ser | Phe | Pro | Ser | Pro | Thr |
| | 210 | | | | | 215 | | | | | 220 | | | | |
| Arg | Asn | Pro | Glu | Val | Arg | Thr | Pro | Lys | Ser | Ala | Thr | Gln | Pro | Gln | Thr |
| 225 | | | | | 230 | | | | | 235 | | | | | 240 |
| Thr | Glu | Thr | Asn | Leu | Gln | Thr | Ala | Pro | Lys | Leu | Ser | Thr | Ser | Thr | Ser |
| | | | 245 | | | | | | 250 | | | | | 255 | |
| Thr | Thr | Gly | Thr | Ser | His | Leu | Val | Lys | Cys | Ala | Glu | Lys | Glu | Lys | Thr |
| | | | 260 | | | | | 265 | | | | | 270 | | |
| Phe | Cys | Val | Asn | Gly | Gly | Glu | Cys | Phe | Met | Val | Lys | Asp | Leu | Ser | Asn |
| | | 275 | | | | | 280 | | | | | 285 | | | |
| Pro | Ser | Arg | Tyr | Leu | Cys | Lys | Gly | Gly | Gly | Ala | Val | Pro | Glu | Glu | Ser |
| | 290 | | | | | 295 | | | | | 300 | | | | |
| Ala | Asp | His | Asn | Arg | His | Leu | His | Arg | Pro | Pro | Cys | Gly | Arg | His | His |
| 305 | | | | | 310 | | | | | 315 | | | | | 320 |
| Val | Cys | Gly | Gly | Leu | Leu | Gln | Asn | Gln | Glu | Thr | Ala | Glu | Lys | Ala | Ala |
| | | | | 325 | | | | | 330 | | | | | 335 | |
| Xaa | Pro | Ser | Ser | Ala | Glu | Pro | Ser | Val | Xaa | Thr | Lys | Gln | Tyr | Asp | Glu |
| | | | 340 | | | | | 345 | | | | | 350 | | |
| His | Cys | Gln | Trp | Ala | Ser | Pro | Ser | Xaa | Pro | Thr | Pro | Arg | Glu | Cys | Pro |
| | | 355 | | | | | 360 | | | | | 365 | | | |
| Ala | Gly | Glu | Ser | Ile | Arg | Ile | Xaa | Lys | Arg | His | Leu | Gln | Xaa | Ala | Tyr |
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| Cys | Xaa | Glu | Arg | Ser | Arg | Asp | Ile | Leu | Phe | His | Gln | Ser | Leu | Tyr | Phe |
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| His | Ser | Pro | Ser | Leu | His | Tyr | Cys | His | Pro | Asp | Ser | Xaa | Pro | Gln | Leu |
| | | | | 405 | | | | | 410 | | | | | 415 | |
| Glu | Gln | Arg | Thr | His | Xaa | Lys | His | Pro | Phe | Arg | Lys | Pro | Leu | Cys | Asn |
| | | | 420 | | | | | 425 | | | | | 430 | | |
| Arg | Asp | Val | Ile | Arg | Arg | Lys | Gln | Xaa | Ala | Gln | Gln | Pro | Asn | Trp | Gly |
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Asn Gln Asp Pro Ile Ala Val